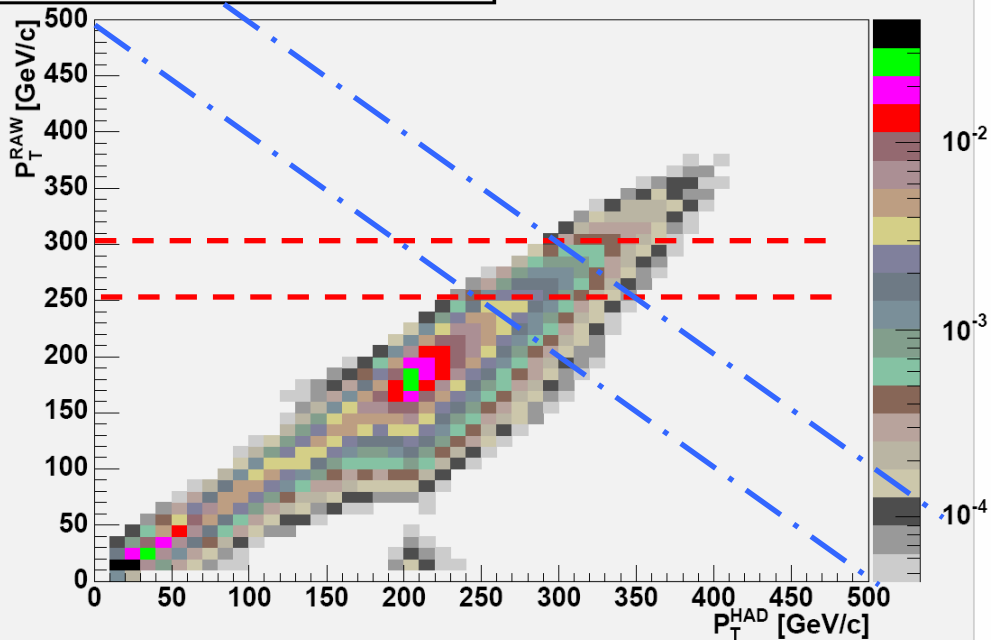


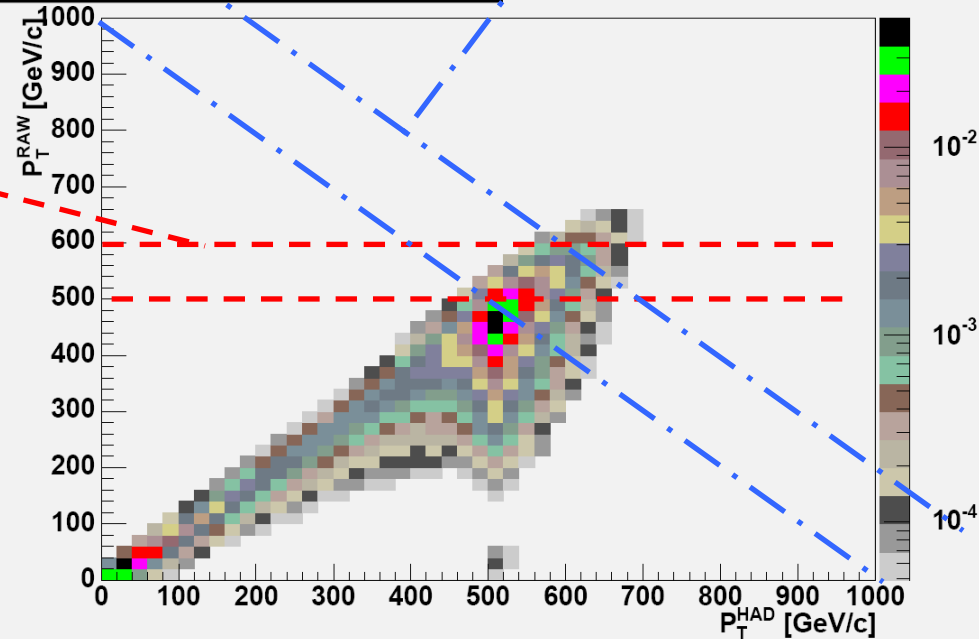
Pythia\_200 → D=0.5:  $P_T^{\text{RAW}}$  vs  $P_T^{\text{HAD}}$



Notice: log scale in z

MEAN bins

Pythia\_500 → D=0.5:  $P_T^{\text{RAW}}$  vs  $P_T^{\text{HAD}}$

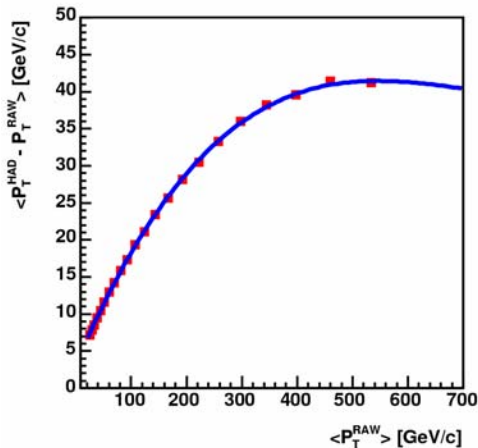


RAW bins

Absolute  
correction

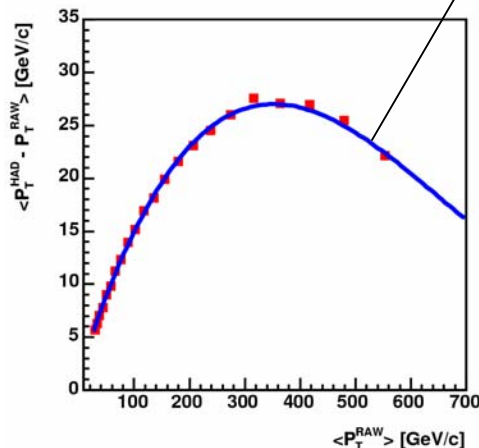
MEAN bins

$\langle P_T^{\text{HAD}} - P_T^{\text{RAW}} \rangle$  vs  $\langle P_T^{\text{RAW}} \rangle$  in MEAN bin (D=0.5)



RAW bins

$\langle P_T^{\text{HAD}} - P_T^{\text{RAW}} \rangle$  vs  $\langle P_T^{\text{RAW}} \rangle$  in RAW bin (D=0.5)

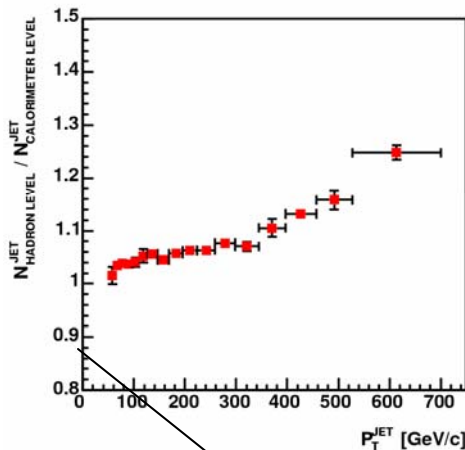


Decreases: bias  
from the binning?

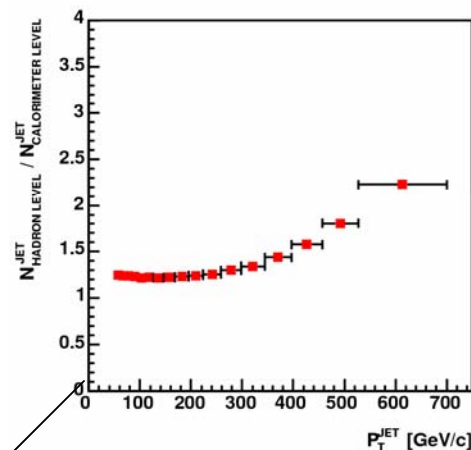
Ratio of measured  
unfolded cross sections  
from the 2  $\neq$  methods  
→ **Good Agreement**

Unfolding

Unfolding with  $P_T^{\text{JET}}$  correction in MEAN bin (D=0.5)

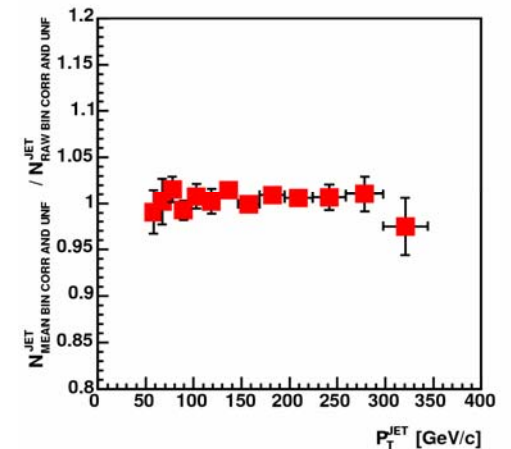


Unfolding with  $P_T^{\text{JET}}$  correction in RAW bin (D=0.5)



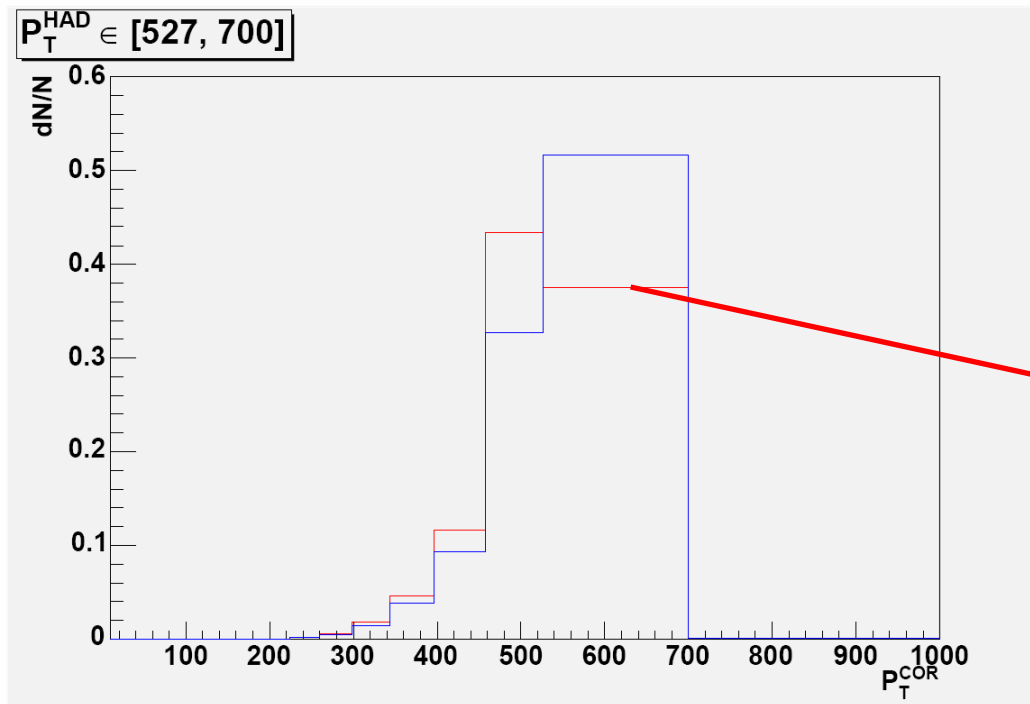
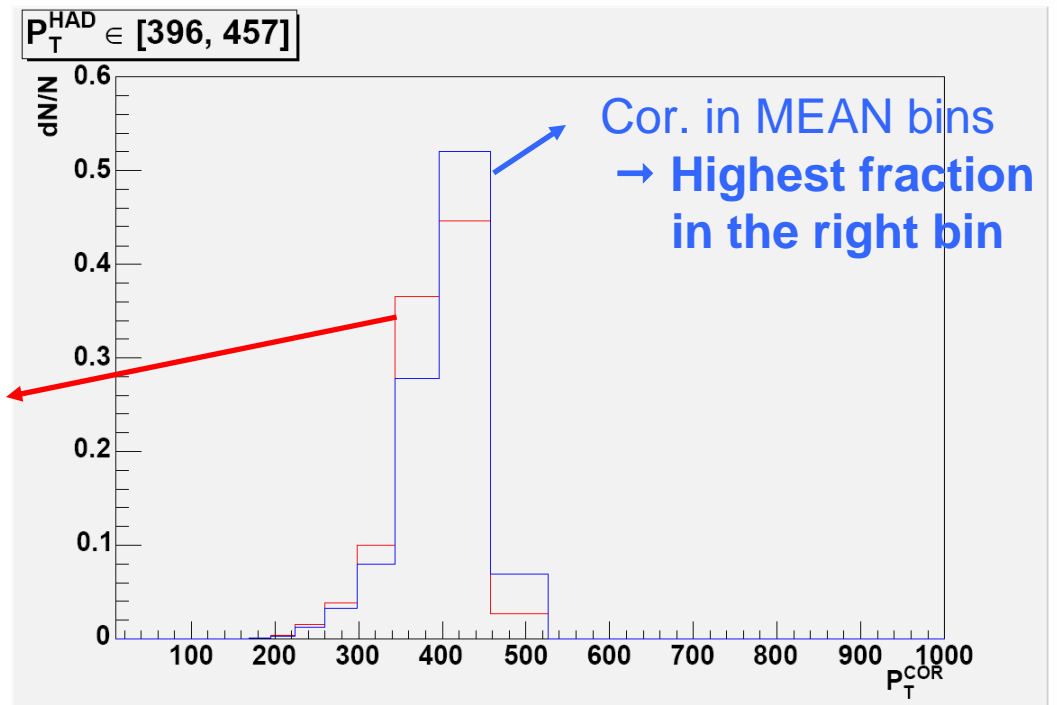
Notice  $\neq$  scales

$N_{\text{DATA}}^{\text{JET}}$  ratio using the 2  $\neq$   $P_T^{\text{JET}}$  cor. and unf. (D=0.5)



$P_T^{\text{COR}}$  distribution for jets  
in a given  $P_T^{\text{HAD}}$  bin  
→ Fraction of jets  
in each  $P_T^{\text{COR}}$  bin

Cor. in RAW bins



Using Cor. in RAW bins more jets end up in the previous bin than in the right one here

Same as before for lower  $P_T$  bins

